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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/770,887	01/26/2001	Michael Mandahl	P/3861-3	6673

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EXAMINER

MEHRPOUR, NAGHMEH

ART UNIT	PAPER NUMBER
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2686

DATE MAILED: 07/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/770,887

**Applicant(s)**

MANDAHL ET AL.

**Examiner**

Naghmeh Mehrpour

**Art Unit**

2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on 03 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3, 5, 8-14, 16-23, are rejected under 35 U.S.C. 103(a) as being unpatentable over by (Boehmke US 2002/0119786 A1) in view of Ndili et al. (US Patent Number 2001/0044849 A1).

Regarding claim 1, Boehmke teaches a wireless information exchange system, comprising: a wireless device 26(see figure 1, page 4 section 0050) a network 24 connectable to said wireless device 26; an information processor 18/52 connectable to said network 24 (se figure 2, page 4 section 0059), a database 16/22 accessible by said processor 18/52 (see figures 1 & figure 2, page 5 sections 0063, page 6 section 0067), and said processor 18/52 can store (page 6 section 0064) and retrieve information in said database 22 thereby providing said wireless device 26 with access to database 22 information (see figure 1, page 6 section 0068).

Boehmke fails to teach a processor and a wireless device operable to exchange wireless format information through a network. However Ndili teaches a processor 110 and the wireless device 120 (figure 1) operable to exchange wireless format information through a network 135 (page 4 section 51). Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of Ndili

Art Unit: 2686

with Boechmke, in order to provide the network even and content to a mobile device and to perform the logic steps by transmitting the signals according the various protocol.

Regarding claim 2, Boechmke fails to teach a wireless system wherein said processor is operable to convert information between a database format and a wireless format. However Ndili teaches a wireless system wherein said processor 110 is operable to convert information between a database 140 format and a wireless format (see figures 1, page 4 section 0053).

Regarding claim 3, Boechmke teaches a wireless system further (see figure 6) comprising: an application service 38 accessible by said processor 18/52(see figure 2, page 6 sections 0067-0068); and said application service operable 38 to exchange information with said processor 18/52 (see figure 2) thereby providing said wireless device 26 (page 6 section 0071) with access to application information 38 (page 5 section 0058, page 6 section 0067).

Regarding claim 5, Boechmke teaches a wireless system wherein said information processor 18/20 maintains a directory of wireless users stored in said database 22 (page 10 section 0107).

Regarding claim 8, Boechmke teaches a wireless system further comprising: a service connector 12 connected to said information processor 18 and said database 16 (see figure 6, page 8 section 091); and said service connector 12 effective to provide an

Art Unit: 2686

interface 93 between said information processor 18/92 and said database 100 (see figure 6, page 8 section 0091).

Regarding claim 9, Boehmke teaches a wireless system further comprising: a service connector 12 connected to said information processor 92 (see figure 6, page 8 section 0091); said database 16 and said application service 12; said service connector 12 effective to provide an interface 93 between said information processor 18/92 and said database 100 and an interface between said information processor 18/92 and said application service 12 (see figure 6, page 8 section 0091).

Regarding claim 10, Boehmke teaches a wireless system wherein said network further comprises: an operation service 38 connected to said processor 18 and operable to manage print service requests (see figure 1, page 5 sections 0058, 0063); and said processor 18 can receive a print service request from said wireless device 12 and can submit said print service request to said operation service 38 (page 24 section 0258).

Regarding claim 11, Boehmke teaches a wireless system according wherein said print service requests can be requests for printing or for faxing (page 5 section 0063, page 6 section 0064, page 24 section 0258).

Regarding claim 12, Boehmke teaches a wireless system wherein said service connector 12 is effective to provide an installation interface 93, whereby a database 22

Art Unit: 2686

having a standard interface 93 is readily connectable and useable by said processor 18 (see figure 6, page 8 section 0091).

Regarding claims 13-14, Boechmke teaches a wireless system wherein said processor further comprises a plurality of installation tools operable to permit said processor to connect to a variety of networks and a variety of databases 22, 22”(see figures 1, 6, page 8 section 0091).

Regarding claim 16, Boechmke teaches a wireless system 10 wherein a connection between said wireless device 26 and said network and a connection between said network 24 and said processor 18/52 (see figures 1-2) are secure connections (page 13 section 0128).

Regarding claim 17, Boechmke teaches a wireless system 10, wherein information from said application service 12 and said database 100 are in a non-wireless format(see figure 6, page 8 section 0157). In figure 6, the arrows makes it clear that the connection between application server 12/90 and database 100 are non-wireless.

Regarding claim 18, Boechmke teaches a wireless information exchange system, comprising: a wireless device 26(see figure 1, page 4 section 0050) a network 24 connectable to said wireless device 26; an information processor 18/52 connectable to said network 24 (se figure 2, page 4 section 0059), a database 16/22 accessible by said processor 18/52 (see figures 1 & figure 2, page 5 sections 0063,page 6 section 0067);and

Art Unit: 2686

said processor 18/52 can store page 6 section 0064) and retrieve information in said database 22 thereby providing said wireless device 26 with access to database 22 information (see figure 1, page 6 section 0068).

Boechmke fails to teach a processor and a wireless device operable to exchange wireless format information through a network. However Ndili teaches a processor 110 and the wireless device 120 (figure 1) operable to exchange wireless format information through a network 135 (page 4 section 51). Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of Ndili with Boechmke, in order to provide the network even and content to a mobile device and to perform the logic steps by transmitting the signals according the various protocol.

Regarding claim 19, Boechmke teaches a wireless system wherein said network further comprises: an operation service 38 connected to said processor 18/52 and operable to manage print service requests (see figures 1-2, page 5 sections 0058); and said processor 18/52 can receive a print service request from said wireless device 26 and can submit said print service request to said operation service 38 (see figure 1-2, page 5 section 0063, page 24 section 0258).

Regarding claim 20, Boechmke teaches a method according to claim 19, wherein said print service request can be a request for printing or a faxing (page 6 section 0068).

Regarding claims 21-22, Boechmke teaches a processor/computer 18 operable to execute a program code from a storage memory 22, said program code (page 3 section

Art Unit: 2686

0026, comprising: a first code segment executable to provide a connection between a wireless device 26 and an information processor 18 having access to information stored in a database 22 (see figure 1, page 4 section 0050). Boechmke fails to teach

a second code segment executable to exchange wireless format information between said wireless device and said processor;

a third code segment executable to convert information between a database format and a wireless 26 format; and

a fourth code segment executable to exchange information between said processor 18/52 and said database.

However Ndili teaches :

a code segment executable to exchange wireless format information between said wireless device 120 and said processor 110 (see figure 1, numerals 1, 8, page 3 section 0041, page 4 section 0051);

a code segment executable to convert information between a database 125 format and a wireless format (WAP) (see figure 1, numerals 2, 3, page 2 section 0035); and

a code segment executable to exchange information between said processor 110 and said database 125 (see figure 1, page 2 section 0035). Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of Ndili with Boechmke, in order to provide the network even and content to a mobile device and to perform the logic steps by transmitting the signals according the various protocol. Boechmke modified by Ndili provides a system, which operates, and functions the way the present application does. However Boechmke modified by Ndili fails to specifically mentions that codes segments (instruction) executable in the



Art Unit: 2686

order (first code, second code and third code, and fourth code), of the present application. However, it would have been obvious to ordinary skill in the art at the time the invention was made to write a software program in such an order, in order to provide a system having a content engine which converts the network event into a wireless format for the mobile device, and transmitting the network event in a wireless mark-up language to the mobile device.

Regarding claim 23, Boechmke teaches a computer network 10 comprising: a wireless device 26; a network 24 connectable to said wireless device 26; an information processor 18 connectable to said network 24; a database 16/22" accessible by said processor 18; and said processor 18 can store 22"" and retrieve information in said database 22" thereby providing said wireless device 26 with access to database 12/22 information (page 4 section 0052, page 6 section 0064, page 3 section 0026).

Boechmke fails to teach a processor and a wireless device operable to exchange wireless format information through a network. However Ndili teaches a processor 110 and the wireless device 120 (figure 1) operable to exchange wireless format information through a network 135 (page 4 section 51). Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of Ndili with Boechmke, in order to provide the network even and content to a mobile device and to perform the logic steps by transmitting the signals according the various protocol.

Art Unit: 2686

3. Claim 4, is rejected under 35 U.S.C. 103(a) as being unpatentable over Boehmke (US 2002/0119786 A1) in view of Ndili et al. (US Patent Number 20010044849 B1) in further view of Eldridge et al. (US Patent Number 6,421,716 B1).

Regarding claim 4, Boehmke teaches a wireless system wherein said network further comprises: a local network 24 connected to said processor 18 (see figures 1,2,CPU 52), and a global network of interconnected computers (Internet), whereby said wireless device 144) is globally accessible by said local network 24 (page 9 section 0094).

Boehmke modified by Ndili fails to teach a firewall connected to said local network.

However Eldridge teaches a system for performing document service and sequence of display screens for offering a generalized type of "yellow-pages" directory of document services. Such a directory of services can extend across the firewall and the Internet to define collaborative organizations. Accordingly, after selecting the "All services" in display screen, a display screen is presented to the user of a mobile device. Upon selecting one of the classes (e.g., printing) of service in the building identified at the display (col 12 lines 42-55). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the above teaching of Eldridge with Boehmke modified by Ndili communication system, in order to receive the call records that are transmitted from a remote device.

Art Unit: 2686

4. Claims 6-7, are rejected under 35 U.S.C. 103(a) as being unpatentable over Boechmke (US 2002/0119786 A1) in view of Ndili et al. (US Patent Number 20010044849 B1) in further view of Herz et al. (US Patent Number 5,754,939).

Regarding claim 6, Boechmke further teaches a wireless system further comprising: a wireless user call records 62; said wireless user call records being effective to provide settings indicative of a selectable information (page 14 section 0141) format for presentation of wireless format information on said wireless device 14 (page 6 section 0067). Boechmke modified by Ndili fails to teach the user database is a wireless user profile. However Herz teaches a user database, which contains wireless users profile (col 32 lines 39-49). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the above teaching of Herz with Boechmke modified by Ndili's communication system, in order to ensure the privacy of user's target profile interest summary, by giving the user control over the ability of third parties to access this summary and to identify or contact the user.

Regarding claim 7, Boechmke teaches a wireless system wherein: said information processor 18 maintains a directory of wireless users stored in said database 22 (page 6 section 0067). Boechmke modified by Ndili fails to teach the information processor permits manipulation of said wireless user profile. However Herz teaches information processor permits manipulation of said wireless user profile operable (col 37 lines 51-60). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the above teaching of Herz with Boechmke modified by

Art Unit: 2686

Ndili's communication system, in order to ensure the privacy of user's target profile interest summary, by giving the user control over the ability of third parties to access this summary and to identify or contact the user.

5. Claim 15, is rejected under 35 U.S.C. 103(a) as being unpatentable over Boechmke (US 2002/0119786 A1) in view of Ndili et al. (US Patent Number 20010044849 B1) in further view of Shaffer et al. (US Patent Number 6,477,374 B1).

Regarding claim 15, Boechmke further teaches a wireless system wherein said application service 12 includes one **or more** of a messaging service (page 20 section 0194), a contact managing service (page 6 section 0067). Boechmke modified by Ndili fails to teach a scheduling service. However Sheaffer teaches a telecommunication system scheduling service (col 14 lines 37-39). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the above teaching of Shaffer with Boechmke modified by Ndili, in order to provide good quality computing means for storing and managing telecommunication call records.

#### ***Response to Arguments***

6. Applicant's arguments with respect to claims 1-23, have been considered but are moot in view of the new ground(s) of rejection.

#### **Conclusion**

7. **Any responses to this action should be mailed to:**

Commissioner of Patents and Trademarks

Art Unit: 2686

Washington, D.C. 20231

**or faxed to:**

(703) 872-9314, (for formal communications indented for entry)

**Or:**

(703) 308-6306, (for informal or draft communications, please label  
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Hand-delivered responses should be brought to Crystal Park II. 2121  
Crystal Drive, Arlington. Va., sixth Floor (Receptionist).


Any inquiry of a general nature or relating to the status of this application or  
proceeding should be directed to the technology Center 2600 Customer Service Office  
whose telephone number is (703) 306-0377.

Any inquiry concerning this communication or earlier communication from the  
examiner should be directed to Melody Mehrpour whose telephone number is (703) 308-  
7159. The examiner can normally be reached on Monday through Thursday (first week of  
bi-week) and Monday through Friday (second week of bi-week) from 6:30 a.m. to 5:00  
p.m.

If attempt to reach the examiner are unsuccessful the examiner's  
supervisor, Marsha Banks-Harold be reached (703) 308-4379.

NM

June 28, 2004

  
**CHARLES APPIAH**  
**PRIMARY EXAMINER**